

MM MM MMMM MMM MMMM MMMM MMMM MM MM MM MM	AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	HH HHHHHH	KK	YY Y
LL LL LL LL LL LL LL LL LL LL LL LL		\$				

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MATCHKEY - MATCH A STRING AGAINST A KEY 15-SEP-1984 23:40:59 VAX/VMS Macro V04-00 Table of contents

(2) 45 DECLARATIONS
(3) 63 MATCH KEY

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MATCHKEY VO4-000 e (1)

.TITLE MATCHKEY - MATCH A STRING AGAINST A KEY .IDENT 'V04-000'

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FACILITY: GENERAL PURPOSE UTILITY SUBROUTINE

ABSTRACT: MATCH A STRING AGAINST A TABLE OF KEYS

ENVIRONMENT: USER MODE/NON-PRIVILEGED CODE

AUTHOR: W.H.BROWN, CREATION DATE:3-JUN-1977

MODIFIED BY:

0000 40 : 0000 41 : . . : VERSION 0000 42 : 01 -

0000 42 : 0 0000 43 :--

- MATCH A STRING AGAINST A KEY 15-SEP-1984 23:40:59 VAX/VMS Macro V04-00 4-SEP-1984 23:16:12 [CLIUTL.SRC]MATCHKEY.MAR;1 DECLARATIONS 0000 0000 0000 .SBTTL DECLARATIONS ŎŎŎŎ 0000 0000 0000 0000 EQUATED SYMBOLS: 0000 0000 00000004 00000008 0000000C 0000 TABLE = 4 DESCP = 8 ADDR = 12 : ADDRESS OF KEYWORDS : ADDRESS OF DESCRIPTOR FOR STRING : ADDRESS TO STORE RESULT 0000 ŎŎŎŎ ŎŎŎŎ

(2)

BR IF NO MATCH

NOT AMBIGUOUS

: GET INDEX

CHANGE TO NEGATIVE

TRY FOR AMBIGUOUS MATCH

(3)

- MATCH A STRING AGAINST A KEY

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			- MA' MATCI	TCH A	STRING	AGAINS	T A KEY	K	9	15-SE 4-SE	P-1984 P-1984	23:40 23:16	0:59 5:12	VAX [CL	/VMS IUTL	Macr .SRC]	o VO4	-00 IKEY.MA	NR;1	Page	(3)
65	50 51 56 54 50 61	01 88 15 55 55 55 55 55 55 55 55 55 55 55 55	04 D9130 D1509361405 E05	0019 001A 001C 001F 00027 00027 00035 00035 0003F	120 122 123 1225 1227 1220 133 133 133 133 133 133 133 133 133 13	100\$: 110\$: 120\$: 130\$: 140\$:	RET PUSHL MOVZBL BEQL MOVL ADDL CMPL BLEQ MOVL SEQL INCL BRB CLRL POPL RSB .END	130: R6,1 R0,1 R0,1 120: R4,1	R1 R6 R4 \$ R0 (R1), \$				GET I BRET I SEE I SEE I SET CHECOUN TRY SET GET	THE NEW ADDRESS OF THE NEW AT A TABLE THE	LENG DESSEX H IS RGET IN MA PUND IT N IND VALU	STRI T BIGG IS S NGTH TCH A MAT ERATI EX	NG ER HORTE CH ONS	R CODE S	SET		

MATCHKEY VO4-000

15-SEP-1984 23:40:59 VAX/VMS Macro V04-00 4-SEP-1984 23:16:12 [CLIUTL.SRC]MATCHKEY.MAR;1

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Symbol table ADDR **= 0000000C** DESCP

MATCHKEY

TABLE

LIBSMATCHKEY

= 00000008 00000000 RG = 00000004

Psect synopsis!

PSECT name Allocation PSECT No. Attributes 0.) NOPIC ABS 00000000 USR CON ABS LCL NOSHR NOEXE NORD NOWRT NOVEC BYTE LIB\_CODE 0000003F 01 ( 1.) NOPIC USR CON REL LCL NOSHR EXE RD NOWRT NOVEC BYTE

Performance indicators !

Phase	Page faults	CPU Time	Elapsed Time
Initialization	10	00:00:00.07	00:00:01.50
Command processing	75	00:00:00.86	00:00:04.65
Pass 1	65	00:00:00.48	00:00:02.80
Symbol table sort	Ö	00:00:00.00	00:00:00.00
Pass 2	49	00:00:00.29	00:00:02.15
Symbol table output	2	00:00:00.01	00:00:00.01
Psect synopsis output	Ž	00:00:00.02	00:00:00.02
Cross-reference output	Ō	00:00:00.00	00:00:00.00
Assembler run totals	205	00:00:01.74	00:00:11.13

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The working set limit was 750 pages.
1705 bytes (4 pages) of virtual memory were used to buffer the intermediate code.
There were 10 pages of symbol table space allocated to hold 4 non-local and 6 local symbols.
138 source lines were read in Pass 1, producing 11 object records in Pass 2. O pages of virtual memory were used to define 0 macros.

Macro library statistics !

## Macro library name

Macros defined

\$255\$DUA28:[CLIUTL.OBJ]CLIUTL.MLB;1 \$255\$DUA28:[SYS.OBJ]LIB.MLB;1 \$255\$DUA28:[SYSLIB]STARLET.MLB;2 TOTALS (all libraries)

0 Ŏ Ŏ

O GETS were required to define O macros.

There were no errors, warnings or information messages.

MACRO/LIS=LIS\$:MATCHKEY/OBJ=OBJ\$:MATCHKEY MSRC\$:MATCHKEY/UPDATE=(ENH\$:MATCHKEY)+EXECML\$/LIB+LIB\$:CLIUTL/LIB

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